

| | | | | |
|---|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 14875-160US1 | Application No. 10/575,193 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.98(b)) | | Applicant Kunihiro Hattori et al. | | |
| | | Filing Date October 24, 2006 | Group Art Unit 1645 | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | 4,474,893 | 10/02/1984 | Reading | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation Yes No |
| | AB | CA 2 019 559 | 12/22/1990 | Canada | | | |
| | AC | EP 0 404 097 | 12/27/1990 | EPO | | | See AB |
| | AD | JP 2-145187 | 06/04/1990 | Japan | | | English abstract |
| | AE | JP 5-184383 | 07/27/1993 | Japan | | | X |
| | AF | JP 5-199894 | 08/10/1993 | Japan | | | X |
| | AG | JP 5-203652 | 08/10/1993 | Japan | | | X |
| | AH | JP 5-213775 | 08/24/1993 | Japan | | | X |
| | AI | JP 5-304992 | 11/19/1993 | Japan | | | X |
| | AJ | JP 5-501543 | 03/25/1993 | Japan | | | See AP |
| | AK | JP 10-165184 | 06/23/1998 | Japan | | | X |
| | AL | JP 10-511085 | 10/27/1998 | Japan | | | See AR |
| | AM | JP 11-71288 | 03/16/1999 | Japan | | | X |
| | AN | JP 11-506310 | 06/08/1999 | Japan | | | See AS |
| | AO | JP 2002-518041 | 06/25/2002 | Japan | | | See AU |
| | AP | WO 91/08770 | 06/27/1991 | WIPO | | | |
| | AQ | WO 93/11161 | 06/10/1993 | WIPO | | | |
| | AR | WO 96/16673 | 06/06/1996 | WIPO | | | |
| | AS | WO 96/26964 | 09/06/1996 | WIPO | | | |
| | AT | WO 99/10494 | 03/04/1999 | WIPO | | | |
| | AU | WO 99/67359 | 12/29/1999 | WIPO | | | |
| | AV | WO 01/19992 | 03/22/2001 | WIPO | | | |
| | AW | WO 03/087163 | 10/23/2003 | WIPO | | | X |
| | AX | WO 2004/065611 | 08/05/2004 | WIPO | | | X |

| | |
|--|-------------------------------|
| Examiner Signature /Michael Szperka/ | Date Considered 09/16/2009 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MS/

| | | | | |
|---|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 14875-160US1 | Application No. 10/575,193 |
| Information Disclosure Statement by Applicant <small>(Use several sheets if necessary)</small> <small>(37 CFR § 1.98(b))</small> | | Applicant Kunihiro Hattori et al. | | |
| | | Filing Date October 24, 2006 | Group Art Unit 1645 | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|--|
| | AY | Bebbington et al., "High-Level Expression of a Recombinant Antibody from Myeloma Cells Using a Glutamine Synthetase Gene as an Amplifiable Selectable Marker," <i>Biotechnology (N Y)</i> , 10:169-175 (1992) |
| | AZ | Bos et al., "Enhanced Transfection of a Bacterial Plasmid into Hybridoma Cells by Electroporation: Application for the Selection of Hybrid Hybridoma (Quadroma) Cell Lines," <i>Hybridoma</i> , 11:41-51 (1992) |
| | AAA | Brennan et al., "Preparation of Bispecific Antibodies by Chemical Recombination of Monoclonal Immunoglobulin G1 Fragments," <i>Science</i> , 229:81-83 (1985) |
| | ABB | Carter, "Bispecific human IgG by design," <i>J. Immunol. Methods</i> , 248:7-15 (2001) |
| | ACC | Deng et al., "An Agonist Murine Monoclonal Antibody to the Human c-Mpl Receptor Stimulates Megakaryocytopoiesis," <i>Blood</i> , 92:1981-1988 (1998) |
| | ADD | Francois et al., "Construction of a Bispecific Antibody Reacting with the α - and β -Chains of the Human IL-2 Receptor," <i>J. Immunol.</i> , 150:4610-4619 (1993) |
| | AEE | GenPept Accession No. AAC26541, "anti BoNT/A Hc scFv antibody [synthetic construct]," 1 page (August 1, 2001) |
| | AFF | Hämmerling et al., "Use of Hybrid Antibody with Anti- γ G and Anti-Ferritin Specificities in Locating Cell Surface Antigens by Electron Microscopy," <i>J. Exp. Med.</i> , 128:1461-1473 (1968) |
| | AGG | Holliger et al., "'Diabodies': Small bivalent and bispecific antibody fragments," <i>Proc. Natl. Acad. Sci. USA</i> , 90:6444-6448 (1993) |
| | AHH | Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <i>Science</i> , 246:1275-1281 (1989) |
| | AII | Kang et al., "Linkage of recognition and replication functions by assembling combinatorial antibody Fab libraries along phage surfaces," <i>Proc. Natl. Acad. Sci. USA</i> , 88:4363-4366 (1991) |
| | AJJ | Karpovsky et al., "Production of Target-Specific Effector Cells Using Hetero-Cross-Linked Aggregates Containing Anti-Target Cell and Anti-Fc γ Receptor Antibodies," <i>J. Exp. Med.</i> , 160:1686-1701 (1984) |
| | AKK | Kim et al., "Mammalian type I interferon receptors consists of two subunits: IFNaR1 and IFNaR2," <i>Gene</i> , 196:279-286 (1997) |
| | ALL | Kroesen et al., "Phase I study of intravenously applied bispecific antibody in renal cell cancer patients receiving subcutaneous interleukin 2," <i>Br. J. Cancer</i> , 70:652-661 (1994) |
| | AMM | Kurokawa et al., "Enhanced Fibrinolysis by a Bispecific Monoclonal Antibody Reactive to Fibrin and Tissue Plasminogen Activator," <i>Bio/Technology</i> , 7:1163-1167 (1989) |
| | ANN | Lapan et al., "Interaction of the A1 Subunit of Factor VIIIa and the Serine Protease Domain of Factor X Identified by Zero-length Cross-linking," <i>Thromb. Haemost.</i> , 80:418-422 (1998) |
| | AOO | Le Doussal et al., "Bispecific Monoclonal Antibody-Mediated Targeting of an Indium-111-Labeled DTPA Dimer to Primary Colorectal Tumors: Pharmacokinetics, Biodistribution, Scintigraphy and Immune Response," <i>J. Nucl. Med.</i> , 34:1662-1671 (1993) |
| | APP | Link et al., "Production and Characterization of a Bispecific IgG Capable of Inducing T-Cell-Mediated Lysis of Malignant B Cells," <i>Blood</i> , 81:3343-3349 (1993) |
| | AQQ | Löfqvist et al., "Haemophilia prophylaxis in young patients – a long-term follow-up," <i>J. Intern. Med.</i> , 241:395-400 (1997) |

| | |
|--|-------------------------------|
| Examiner Signature <i>/Michael Szperka/</i> | Date Considered 09/16/2009 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|--|--------------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 14875-160US1 | Application No. 10/575,193 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant Kunihiro Hattori et al. | |
| | | Filing Date October 24, 2006 | Group Art Unit 1645 |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|--|
| | ARR | Lu et al., "Di-diabody: a novel tetravalent bispecific antibody molecule by design," <i>J. Immunol. Methods</i> , 279:219-232 (2003) |
| | ASS | Lu et al., "Fab-scFv fusion protein: an efficient approach to production of bispecific antibody fragments," <i>J. Immunol. Methods</i> , 267:213-226 (2002) |
| | ATT | Massino et al., "Quantitative analysis of the products of IgG chain recombination in hybrid hybridomas based on affinity chromatography and radioimmunoassay," <i>J. Immunol. Methods</i> , 201:57-66 (1997) |
| | AUU | McCafferty et al., "Phage antibodies: filamentous phage displaying antibody variable domains," <i>Nature</i> , 348:552-554 (1990) |
| | AVV | Mertens et al., "Factor VIII-Factor IX Interactions: Molecular Sites Involved in Enzyme-Cofactor Complex Assembly," <i>Thromb. Haemost.</i> , 82:209-217 (1999) |
| | AWW | Milstein et al., "Hybrid hybridomas and their use in immunohistochemistry," <i>Nature</i> , 305:537-540 (1983) |
| | AXX | "National Haemophilia Foundation (NHF) Medical and Scientific Advisory Council (MASAC) Recommendations Concerning Prophylaxis," <i>Medical Bulletin</i> , No. 193, 1 page (1994) |
| | AYY | Nilsson et al., "Twenty-five years' experience of prophylactic treatment in severe haemophilia A and B," <i>J. Intern. Med.</i> , 232:25-32 (1992) |
| | AZZ | Nitta et al., "Preliminary trial of specific targeting therapy against malignant glioma," <i>Lancet</i> , 335:368-371 (1990) |
| | AAAA | Ridgway et al., "'Knobs-into-holes' engineering of antibody C _H 3 domains for heavy chain heterodimerization," <i>Protein Eng.</i> , 9:617-621 (1996) |
| | ABBB | Segal et al., "Introduction: bispecific antibodies," <i>J. Immunol. Methods</i> , 248:1-6 (2001) |
| | ACCC | Shalaby et al., "Development of Humanized Bispecific Antibodies Reactive with Cytotoxic Lymphocytes and Tumor Cells Overexpressing the HER2 Protooncogene," <i>J. Exp. Med.</i> , 175:217-225 (1992) |
| | ADDD | Stickney et al., "Bifunctional Antibody: A Binary Radiopharmaceutical Delivery System for Imaging Colorectal Carcinoma," <i>Cancer Res.</i> , 51:6650-6655 (1991) |
| | AEEE | Suresh et al., "Advantages of bispecific hybridomas in one-step immunocytochemistry and immunoassays," <i>Proc. Natl. Acad. Sci. USA</i> , 83:7989-7993 (1986) |
| | AFFF | Suresh et al., "Bispecific Monoclonal Antibodies from Hybrid Hybridomas," <i>Methods Enzymol.</i> , 121:210-228 (1986) |
| | AGGG | Taki, <i>The Journal of Japanese Society on Thrombosis and Hemostasis</i> , 13:109-113 (2002) (see reference AXX for concise English explanation) |
| | AHHH | Weiner et al., "A Human Tumor Xenograft Model of Therapy with a Bispecific Monoclonal Antibody Targeting c-erbB-2 and CD16," <i>Cancer Res.</i> , 53:94-100 (1993) |
| | AIII | Weiner et al., "The Role of T Cell Activation in Anti-CD3 × Antitumor Bispecific Antibody Therapy," <i>J. Immunol.</i> , 152:2385-2392 (1994) |
| | AJJJ | Xiang et al., "Production of Murine V-Human Cr1 Chimeric Anti-TAG72 Antibody Using V Region cDNA Amplified by PCR," <i>Mol. Immunol.</i> , 27:809-817 (1990) |

| | |
|--|--------------------------------------|
| Examiner Signature <i>/Michael Szperka/</i> | Date Considered 09/16/2009 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MS/